



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/571,465

03/13/2006

Taichi Kobayashi

Q93776

6607

23373 7590 04/02/2009
SUGHRUE MION, PLLC
2100 PENNSYLVANIA AVENUE, N.W.
SUITE 800
WASHINGTON, DC 20037

EXAMINER

WILLIAMS, JOSEPH L.

ART UNIT

PAPER NUMBER

2889

MAIL DATE

DELIVERY MODE

04/02/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/571,465	Applicant(s) KOBAYASHI ET AL.	
	Examiner Joseph L. Williams	Art Unit 2889	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-16 is/are allowed.
- 6) ☒ Claim(s) 1-3, 6, 7, 10 and 18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>3/06;9/06;1/07</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-3 and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Sakamaki et al. (US 2002/0027635), of record by Applicant.

Regarding claim 1, Sakamaki ('635) teaches in figure 1 and the corresponding text a method of manufacturing an image display panel, having one or more cells formed in an isolated manner from one another by partition walls and accommodating image display media and a plurality of image display elements, in which the image display media are sealed between opposed two substrates, at least one of the two substrates being transparent, and, in which the image display media, to which an electrostatic field is applied, are made to move so as to display an image, characterized

Art Unit: 2889

in that the improvement comprises the steps of: manufacturing a substrate with the partition walls on one substrate; applying an adhesive mixture obtained by mixing a photo-curing resin and a heat-hardening resin on the partition walls; and then connecting the other substrate to the partition walls through the adhesive mixture.

Regarding claim 2, Sakamaki ('635) teaches a composition of the adhesive mixture is 1 - 80 wt% of the photo-curing resin and 20 - 99 wt% of the heat-hardening resin.

Regarding claim 3, Sakamaki ('635) teaches the photo-curing resin includes a photoinitiator and the heat-hardening resin includes a hardening agent.

Regarding claim 18, Sakamaki ('635) teaches an image display panel.

4. Claims 6,7,10, and 18 rejected under 35 U.S.C. 102(e) as being anticipated by Tseng et al. (US 2003/0210455), of record by Applicant.

Regarding claim 6, Tseng ('455) teaches in figures 1-6 and the corresponding text, a method of manufacturing an image display panel, having one or more cells formed in an isolated manner from one another by partition walls and accommodating image display media and a plurality of image display elements, in which the image display media are sealed between opposed two substrates, at least one of the two substrates being transparent, and, in which the image display media, to which an electrostatic field is applied, are made to move so as to display an image, characterized in that the improvement comprises the steps of: manufacturing a substrate with the partition walls by forming the partition walls on one substrate; performing a washing by

Art Unit: 2889

a dry treatment with respect to the thus manufactured substrate with the partition walls; applying an adhesive on the partition walls; and connecting the other substrate to the partition walls through the adhesive.

Regarding claim 7, Tseng ('455) teaches the washing by the dry treatment is performed with respect to the other substrate, before connecting the other substrate to the partition walls of the substrate with the partition walls.

Regarding claim 10, Tseng ('455) teaches the washing by the dry treatment is performed by a washing method according to a treatment selected from UV ozone treatment using a low pressurized mercury lamp, UV ozone treatment using an excimer lamp, low pressurized plasma treatment, atmospheric plasma treatment, and corona treatment.

Regarding claim 18, Sakamaki ('635) teaches an image display panel. The method of manufacturing is product by process limitation and thus has not been afforded patentable weight.

Allowable Subject Matter

5. Claims 11-16 are allowed.

Claims 4, 5, 8, 9, and 17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph L. Williams whose telephone number is (571) 272-2465. The examiner can normally be reached on M-F (6:30 AM-3:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Minh-Toan Ton can be reached on (571) 272-2303. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Joseph L. Williams/
Primary Examiner, Art Unit 2889